

AMENDMENTS TO CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method of preparing a cured bonded composite; wherein said cured bonded composite comprises two or more substrates bonded together with an interposed bonding composition; wherein said method comprises the steps of:
 - a) applying onto a first substrate, a prepolymer composition, wherein said prepolymer composition comprises, in weight percent, based on the weight of said prepolymer composition:
 - (i) from 15% to 70% of at least one uncurable polyester resin,
wherein said uncurable polyester resin is the reaction product of reacting one or more hydrocarbon having two or more hydroxyl groups with one or more polycarboxylic acid that is aliphatic, cyclic aliphatic, or aromatic,
wherein said resin contains fewer curable reactive groups than 0.01 mole/kg of resin,
wherein said resin has number-average molecular weight of 6,500 or less,
and
wherein said resin has acid value of 2 mg KOH/g of resin or greater; and
 - (ii) from 30% to 85% of a least one polymerizable compound;
 - b) contacting a second substrate with said prepolymer composition to provide an uncured composite, wherein said prepolymer composition is in contact with said first substrate and said second substrate; and
 - c) subjecting said uncured composite to electron beam radiation to provide said cured bonded composite;wherein each said polymerizable compound in said prepolymer composition is a monomer or oligomer selected from the group consisting of alkyl esters of (meth)acrylic acid, hydroxyl containing esters of (meth)acrylic acid, ring

containing esters of (meth)acrylic acid, esters of (meth)acrylic acid containing ethylene oxide, esters of (meth)acrylic acid containing glycidyl groups, esters of (meth)acrylic acid with polyols, adducts of acrylic compounds with epoxy compounds, adducts of acrylic compounds with phosphate compounds, acrylic oligomers, ethylenically unsaturated compounds other than (meth)acrylate compounds, and mixtures thereof; and

wherein said prepolymer composition is capable of being applied onto a substrate by one or more of roll coating, rod coating, gravure, or Meyer bar, and wherein said prepolymer composition contains no solvent.

2. (original) The method of claim 1, wherein said polymerizable compound comprises at least one monomer selected from the group consisting of esters of acrylic acid with a polyol, esters of methacrylic acid with a polyol, and mixtures thereof.
3. (original) The method of claim 1, wherein said uncured composite is subjected to said electron beam radiation with a dose of 20 kGy (2 Mrad) to 70 kGy (7 Mrad).
4. (cancelled)
- 5 (currently amended) A composition useful as an adhesive when cured by electron beam radiation comprising a prepolymer composition, wherein said prepolymer composition comprises, in weight percent, based on the weight of said prepolymer composition:
 - (i) from 15% to 70% of at least one uncurable polyester resin, wherein said uncurable polyester resin is the reaction product of reacting one or more hydrocarbon having two or more hydroxyl groups with one or more polycarboxylic acid that is aliphatic, cyclic aliphatic, or aromatic, wherein said resin contains fewer curable reactive groups than 0.01 mole/kg of resin,

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wherein said resin has number-average molecular weight of 6,500 or less,

and

wherein said resin has acid value of 2 mg KOH/g of resin or greater; and

(ii) from 30% to 85% of at least one polymerizable compound;

wherein each said polymerizable compound in said prepolymer composition is a monomer or oligomer selected from the group consisting of alkyl esters of (meth)acrylic acid, hydroxyl containing esters of (meth)acrylic acid, ring containing esters of (meth)acrylic acid, esters of (meth)acrylic acid containing ethylene oxide, esters of (meth)acrylic acid containing glycidyl groups, esters of (meth)acrylic acid with polyols, adducts of acrylic compounds with epoxy compounds, adducts of acrylic compounds with phosphate compounds, acrylic oligomers, ethylenically unsaturated compounds other than (meth)acrylate compounds, and mixtures thereof;

wherein said prepolymer composition is a uniform solution; and

wherein said prepolymer composition is capable of being applied onto a substrate

by one or more of roll coating, rod coating, gravure, or Meyer bar, and

wherein said prepolymer composition contains no solvent.

6. (original) The composition of claim 5, wherein said polymerizable compound comprises at least one monomer selected from the group consisting of esters of acrylic acid with a polyol, esters of methacrylic acid with a polyol, and mixtures thereof.

7. - 8. (cancelled)

9. (previously presented) The composition of claim 5, wherein said prepolymer composition contains no effective amount of photoinitiator.

10. (previously presented) The composition of claim 5, wherein said prepolymer composition has viscosity of 1.0 to 5.0 Pa*s.

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11. (previously presented) The method of claim 1, wherein said prepolymer composition contains no effective amount of photoinitiator.
12. (previously presented) The method of claim 1, wherein said prepolymer composition has viscosity of 1.0 to 5.0 Pa*s.
13. (previously presented) The method of claim 1, wherein said step of applying is performed by roll coating, rod coating, gravure, or Meyer bar.
14. (new) The method of claim 2, wherein said polyol is selected from the group consisting of ethylene glycol, propylene glycol, glycerol, pentaerythritol, trimethylolpropane, hexane diols, butane diols, polyethylene glycol, polypropylene glycol, ethylene-propylene copolymer glycol, ethoxylated pentaerythritol, propoxylated pentaerythritol, ethoxylated trimethylolpropane, propoxylated trimethylolpropane, ethoxylated hexane diols, propoxylated hexane diols, and mixtures thereof.
15. (new) The method of claim 1, wherein all of said polymerizable compounds are selected from the group consisting of monomers, oligomers made by reacting one or more acrylic monomers with each other, and mixtures thereof.
16. (new) The method of claim 15, wherein all of said polymerizable compounds are monomers.
17. (new) The composition of claim 6, wherein said polyol is selected from the group consisting of ethylene glycol, propylene glycol, glycerol, pentaerythritol, trimethylolpropane, hexane diols, butane diols, polyethylene glycol, polypropylene glycol, ethylene-propylene copolymer glycol, ethoxylated pentaerythritol, propoxylated pentaerythritol, ethoxylated trimethylolpropane, propoxylated

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trimethylolpropane, ethoxylated hexane diols, propoxylated hexane diols, and mixtures thereof.

18. (new) The composition of claim 5, wherein all of said polymerizable compounds are selected from the group consisting of monomers, oligomers made by reacting one or more acrylic monomers with each other, and mixtures thereof.
19. (new) The composition of claim 18, wherein all of said polymerizable compounds are monomers.